



Product: [23500D](#)

ACIC 300V, 6 Pr #16 Str TC, XLPE Ins E1, IS/OS, PVC Jkt, AIA Armor, Blk PVC Jkt, 90C Wet 105C Dry CSA HLABCD SUN RES -40C

Product Description

Canadian Instrumentation Cable TC-ACIC 300V, 6 Pair 16AWG (7x24) Tinned Copper, XLPE Insulation E1 Color Code, Individual & Overall Beldfoil® Shield, PVC Inner Jacket, Aluminum Interlock Armor, Black PVC Outer Jacket, 90C Wet 105C Dry CSA HLABCD SUN RES -40C

Technical Specifications

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	6	16 AWG	7x24	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	XLP, XLPO, XLPE (Thermoset)	0.025 in (0.64 mm)	0.108 in (2.74 mm)	Black and White and Numbered

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	18 AWG (7x26) TC

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	18 AWG (7x26) TC

Inner Jacket

Material	Nom. Thickness	Nom. Diameter	Color
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.736 in (18.7 mm)	Black

Armor

Armor Type & Material	Armor Thickness	Diameter Over Armor
AIA - Aluminum Interlock Armor	0.025 in (0.64 mm)	0.961 in (24.4 mm)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.052 in (1.3 mm)	1.065 in	Yes

Overall Cable Diameter (Nominal): 1.065 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR
4.6 Ohm/1000ft	5.4 Ohm/1000ft (18 Ohm/km)

Voltage

Voltage Rating
300 V (CEC ACIC)

Mechanical Characteristics

Temperature

Operating
Dry: -40°C to +105°C, Wet: -40°C to +90°C

Bend Radius

Stationary Min.	Installation Min.
12.72 in (323.1 mm)	12.72 in

Max. Pull Tension:	200 lbs (91 kg)
Bulk Cable Weight:	484 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	FT4
CEC / C(UL) Compliance:	ACIC, HLABCD, ACIC
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.217 Revision Date: 04-08-2022
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Part Numbers

Variants

Item #	Putup Type	UPC
23500D 0602500	Reel	612825322085
23500D 0605000	Reel	612825322108

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